BRUHAT BANGALORE MAHANAGARA PALIKE

PWD FORM - 45 (WORK SLIP)

Name of Work: Construction of Senior Citizen Building near Hopcoms at Vidyaranyapura in Ward No. 09, Vidyaranyapura Sub Division. (Phase - 2).

Name of Agency: Sri Hemadri Reddy, Contractor, # 26, near Sunrise School, Kempapura, Hebbal, Vidyaranyapura, Bangalore - 24.

Estimated Cost: 9,00,000.00

D.R. No.

Tender Amount : Rs. 9,33,482.50 Lakhs

Work Order No. EE/BTP/BBMP/E-PMT/16(9129)/WO/506/2013-14 Dated: 24.12.2014.

SL. No.	Description	Unit	Qty. as per Sanctioned Estimate			Qty. as per Tender			Actual executed Qty.	Qty. as per Actuals upto 125%			Qty. as per Actuals above 125%			Total Executed Amount	Savings	Excess	Remarks
			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
1	Earth work in surface excavation in **Ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts,	Cum	8.00	124.02	992.16	8.00	130.16	1041.28	0.00	0.00	130.16	0.00	0.00	0.00	0.00	0.00	1041.28		
2	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in	Cum	30.72	223.66	6870.84	30.72	234.73	7210.91	0.00	0.00	234.73	0.00	0.00	0.00	0.00	0.00	7210.91		
3	Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal	Cum	4.12	4211.38	17350.89	4.12	4419.84	18209.74	0.00	0.00	4419.84	0.00	0.00	0.00	0.00	0.00	18209.74		
4	Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses	Cum	10.47	3484.22	36479.78	10.47	3656.69	38285.54	0.00	0.00	3656.69	0.00	0.00	0.00	0.00	0.00	38285.54		
5	Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in	Cum	5.31	4148.84	22030.34	5.31	4354.21	23120.86	0.00	0.00	4354.21	0.00	0.00	0.00	0.00	0.00	23120.86		
6	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth,	Cum	30.72	99.64	3060.94	30.72	104.57	3212.39	0.00	0.00	104.57	0.00	0.00	0.00	0.00	0.00	3212.39		
7	Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including	Sqm	12.42	78.44	974.22	12.42	82.32	1022.41	0.00	0.00	82.32	0.00	0.00	0.00	0.00	0.00	1022.41		
8	Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table**	Cum	18.22	5789.72	105488.70	18.22	6076.31	110710.37	0.00	0.00	6076.31	0.00	0.00	0.00	0.00	0.00	110710.37		

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore - 560 092

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
9	Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size	Cum	26.80	5535.32	148346.58	26.80	5809.32	155689.78	45.26	33.50	5809.32	194612.22	11.76	6247.63	73472.13	268084.35		112394.57	
10	Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite	Sqm	9.27	405.98	3763.43	9.27	426.08	3949.76	8.10	8.10	426.08	3451.25	0.00	0.00	0.00	3451.25	498.51		
11	Providing **TMT steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping	Qntl	33.56	7381.84	247734.55	33.56	7747.24	259997.37	56.61	41.95	7747.24	324996.72	14.66	8215.59	120440.55	445437.27		185439.89	
12	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs,	Sqm	48.00	779.10	37396.80	48.00	817.67	39248.16	0.00	0.00	817.67	0.00	0.00	0.00	0.00	0.00	39248.16		
13	Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth	Sqm	28.00	163.24	4570.72	28.00	171.32	4796.96	0.00	0.00	171.32	0.00	0.00	0.00	0.00	0.00	4796.96		
14	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth	Sqm	110.03	199.28	21926.78	110.03	209.14	23011.67	0.00	0.00	209.14	0.00	0.00	0.00	0.00	0.00	23011.67		
15	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing etc complete as per specifications and	Sqm	138.03	19.08	2633.61	138.03	20.02	2763.36	0.00	0.00	20.02	0.00	0.00	0.00	0.00	0.00	2763.36		
16	Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth	Sqm	93.38	165.36	15441.32	93.38	173.55	16206.10	0.00	0.00	173.55	0.00	0.00	0.00	0.00	0.00	16206.10		
17	Providing and laying in position plain cement concrete of **mix M7.5 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal	Cum	6.30	4211.38	26531.69	6.30	4419.84	27844.99	0.00	0.00	4419.84	0.00	0.00	0.00	0.00	0.00	27844.99		
18	Flooring with **25mm to 40mm thick polished Thandur blue stone slabs** using cement mortar 1:6, 25mm thick over existing cement concrete bed or	Sqm	31.00	1017.60	31545.60	31.00	1067.97	33107.07	0.00	0.00	1067.97	0.00	0.00	0.00	0.00	0.00	33107.07		
19	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**,	Sqm	28.00	284.08	7954.24	28.00	298.14	8347.92	0.00	0.00	298.14	0.00	0.00	0.00	0.00	0.00	8347.92		
20	Providing and removing centering, shuttering, strutting, propping etc., for **chajjas**, corbels etc., including edges including cost of all materials, labour	Sqm	9.27	242.74	2250.20	9.27	254.76	2361.63	7.43	7.43	254.76	1892.87	0.00	0.00	0.00	1892.87	468.76		

Executive Engineer
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Bangalore - 560 092

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			Qty.	Rate	Amount	Qty.	Rate	Amount		Qty.	Rate	Amount	Qty.	Rate 2014-15+ T.P	Amount				
1	*2*	*3*	*4*	*5*	*6*	*7*	*8*	*9*	*10*	*11*	*12*	*13*	*14*	*15*	*16*	*17*	*18*	*19*	*20*
21	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of **columns** for mass	Sqm	83.29	220.48	18363.78	83.29	231.39	19272.47	168.02	104.11	231.39	24090.01	63.91	219.00	13996.29	38086.30		18813.83	
22	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints	Sqm	6.62	3710.00	24560.20	6.62	3896.65	25795.82	0.00	0.00	3896.65	0.00	0.00	0.00	0.00	0.00	25795.82		
23	"Supplying and fixing pressed steel window frame of size 100x50mm manufacture from 1.25 mm thick carbon steel or imported steel strips	Sqm	8.91	4028.00	35889.48	8.91	4227.39	37666.04	0.00	0.00	4227.39	0.00	0.00	0.00	0.00	0.00	37666.04		
24	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with	Sqm	138.03	59.36	8193.46	138.03	62.30	8599.27	0.00	0.00	62.30	0.00	0.00	0.00	0.00	0.00	8599.27		
25	Providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly	Cum	93.38	78.44	7324.73	93.38	82.32	7687.04	0.00	0.00	82.32	0.00	0.00	0.00	0.00	0.00	7687.04		
26	Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S.	Unit	1.00	3773.60	3773.60	1.00	3960.39	3960.39	0.00	0.00	3960.39	0.00	0.00	0.00	0.00	0.00	3960.39		
27	Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure **32mm** outside diameter, compression	Rmtr	25.00	152.39	3809.75	25.00	159.93	3998.25	0.00	0.00	159.93	0.00	0.00	0.00	0.00	0.00	3998.25		
28	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of	Each	4	192.44	769.76	4.00	201.97	807.88	0.00	0.00	201.97	0.00	0.00	0.00	0.00	0.00	807.88		
29	Providing colour glazed tiles of size 10mm thick for flooring, treads of steps and landing, laid on a bed of 12mm thick, cement mortar 1:3 mix,	Sqm	2.25	882.98	1986.71	2.25	926.69	2085.05	0.00	0.00	926.69	0.00	0.00	0.00	0.00	0.00	2085.05		
30	Providing skirting, dado, rises of steps with Colour glazed tiles 15x15cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white	Sqm	9.84	926.44	9116.17	9.84	972.30	9567.43	0.00	0.00	972.30	0.00	0.00	0.00	0.00	0.00	9567.43		
31	Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like	m	14.00	447.32	6262.48	14.00	469.46	6572.44	0.00	0.00	469.46	0.00	0.00	0.00	0.00	0.00	6572.44		
32	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc.,	Mtrs	45.00	68.00	3060.00	45.00	71.37	3211.65	0.00	0.00	71.37	0.00	0.00	0.00	0.00	0.00	3211.65		

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33	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry	Each	2	68.00	136.00	2.00	71.37	142.74	0.00	0.00	71.37	0.00	0.00	0.00	0.00	0.00	142.74		
34	8"X6"X3" (300X228X76mm)		2	52.00	104.00	2.00	54.57	109.14	0.00	0.00	54.57	0.00	0.00	0.00	0.00	0.00	109.14		
35	Supplying and fixing PVC/metal conduit accessories special type Junction Box 32 mm Junction Box etc complete as per specifications and	Each	12	29.00	348.00	12.00	30.44	365.28	0.00	0.00	30.44	0.00	0.00	0.00	0.00	0.00	365.28		
36	Deep 32 mm Junction Box		4	33.00	132.00	4.00	34.63	138.52	0.00	0.00	34.63	0.00	0.00	0.00	0.00	0.00	138.52		
37	Fan Box 18 /SWG		4	57.00	228.00	4.00	59.82	239.28	0.00	0.00	59.82	0.00	0.00	0.00	0.00	0.00	239.28		
38	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC	Each	4	175.00	700.00	4.00	183.66	734.64	0.00	0.00	183.66	0.00	0.00	0.00	0.00	0.00	734.64		
39	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		4	260.00	1040.00	4.00	272.87	1091.48	0.00	0.00	272.87	0.00	0.00	0.00	0.00	0.00	1091.48		
40	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		3	368.00	1104.00	3.00	386.22	1158.66	0.00	0.00	386.22	0.00	0.00	0.00	0.00	0.00	1158.66		
41	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines	Each	2	82.00	164.00	2.00	86.06	172.12	0.00	0.00	86.06	0.00	0.00	0.00	0.00	0.00	172.12		
42	8 Modular		2	175.00	350.00	2.00	183.66	367.32	0.00	0.00	183.66	0.00	0.00	0.00	0.00	0.00	367.32		
43	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plat	Each	15	96.00	1440.00	15.00	100.75	1511.25	0.00	0.00	100.75	0.00	0.00	0.00	0.00	0.00	1511.25		
44	6Amps 3way Socket.		6	165.00	990.00	6.00	173.17	1039.02	0.00	0.00	173.17	0.00	0.00	0.00	0.00	0.00	1039.02		
45	Stepped Fan Regulator		4	520.00	2080.00	4.00	545.74	2182.96	0.00	0.00	545.74	0.00	0.00	0.00	0.00	0.00	2182.96		
46	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss		6	380.00	2280.00	6.00	398.81	2392.86	0.00	0.00	398.81	0.00	0.00	0.00	0.00	0.00	2392.86		
47	Supplying of Incandescent lamps C75B.C. 100Watts		5	14.00	70.00	5.00	14.69	73.45	0.00	0.00	14.69	0.00	0.00	0.00	0.00	0.00	73.45		
48	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase	Each	4	1950.00	7800.00	4.00	2046.53	8186.12	0.00	0.00	2046.53	0.00	0.00	0.00	0.00	0.00	8186.12		

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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
49	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely	Each	1	630.00	630.00	1.00	661.19	661.19	0.00	0.00	661.19	0.00	0.00	0.00	0.00	0.00	661.19		
50	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps KPWD SR 2010-11 (P-13,	No	1	60.00	60.00	1.00	62.97	62.97	0.00	0.00	62.97	0.00	0.00	0.00	0.00	0.00	62.97		
51	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as	Each	1	560.00	560.00	1.00	857.72	857.72	0.00	0.00	857.72	0.00	0.00	0.00	0.00	0.00	857.72		
52	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and		1	285.00	285.00	1.00	299.11	299.11	0.00	0.00	299.11	0.00	0.00	0.00	0.00	0.00	299.11		
53	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete		1	100.00	100.00	1.00	104.95	104.95	0.00	0.00	104.95	0.00	0.00	0.00	0.00	0.00	104.95		
54	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipment on the meter board using 40mm dia 2.90	No	1	1950.00	1950.00	1.00	2046.53	2046.53	0.00	0.00	2046.53	0.00	0.00	0.00	0.00	0.00	2046.53		
55	INSULATED CABLE ON MESSENGER WIRE Using 2 single core wires for a single phas and 4 single core wies for 3 phase supplying	Mtr	10	45.00	450.00	10.00	47.23	472.30	0.00	0.00	47.23	0.00	0.00	0.00	0.00	0.00	472.30		
								EIRL											
56	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not les than 35 Kg/sqm with cement	Sqm							171.37				171.37	1023.47	175392.05	175392.05		175392.05	
	BESCOM Charges				10000.00														
	Miscelaneous and unforgen charges	LS			545.00														
	Total				**900000.00**			**933771.63**				**549043.07**			**383301.02**	**932344.09**	**493467.89**	**492040.35**	

0.15 Below

SUMMARY:

1 **Estimated Cost : Rs. 9.00 Lakhs**
2 **Tender Cost : Rs. 9.33 Lakhs**
3 **Executed Cost: Rs. 9.32 Lakhs**
4 **During execution as per requirement and site condition, the executed Qty. costs Rs. 9.32 Lakhs which is 0.15% BELOW the Tender cost. The proposal may kindly be approved.**

25/11
W-09

Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore 92

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division, Bangalore - 92